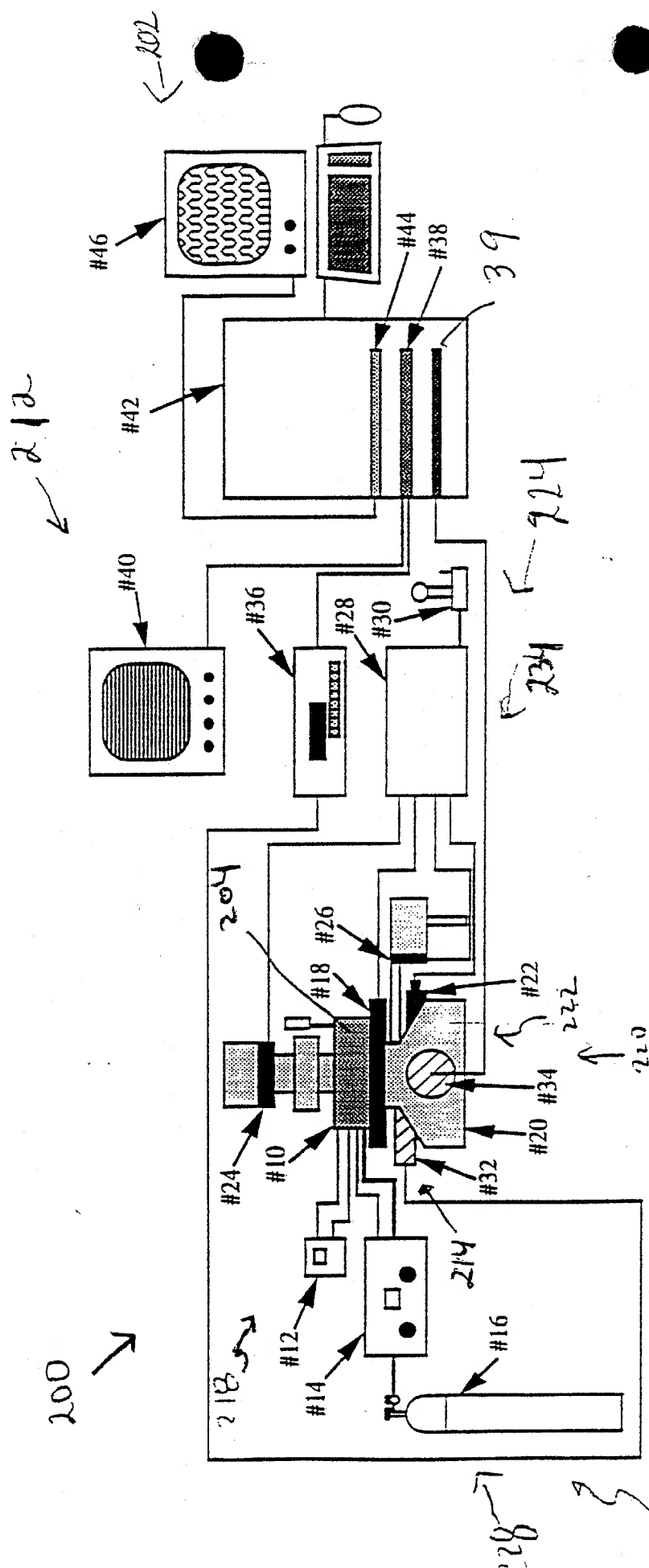
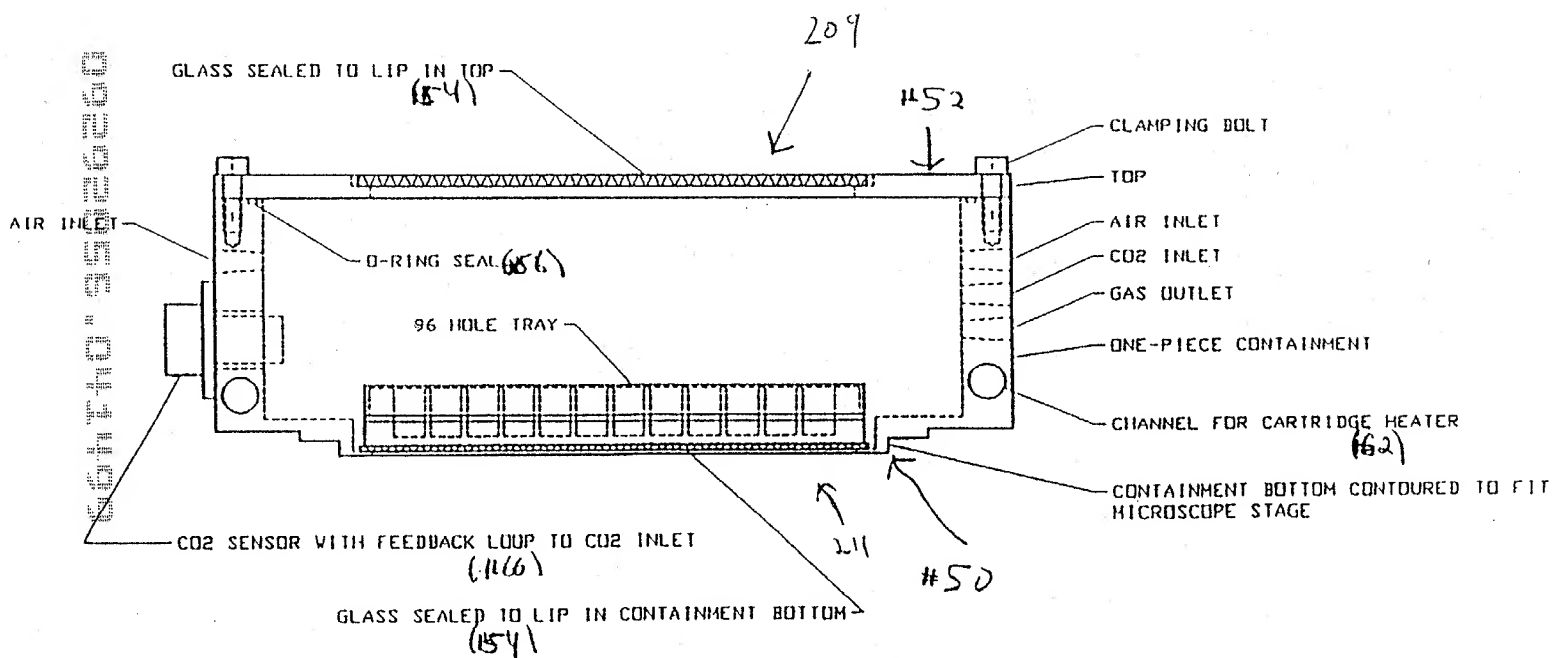


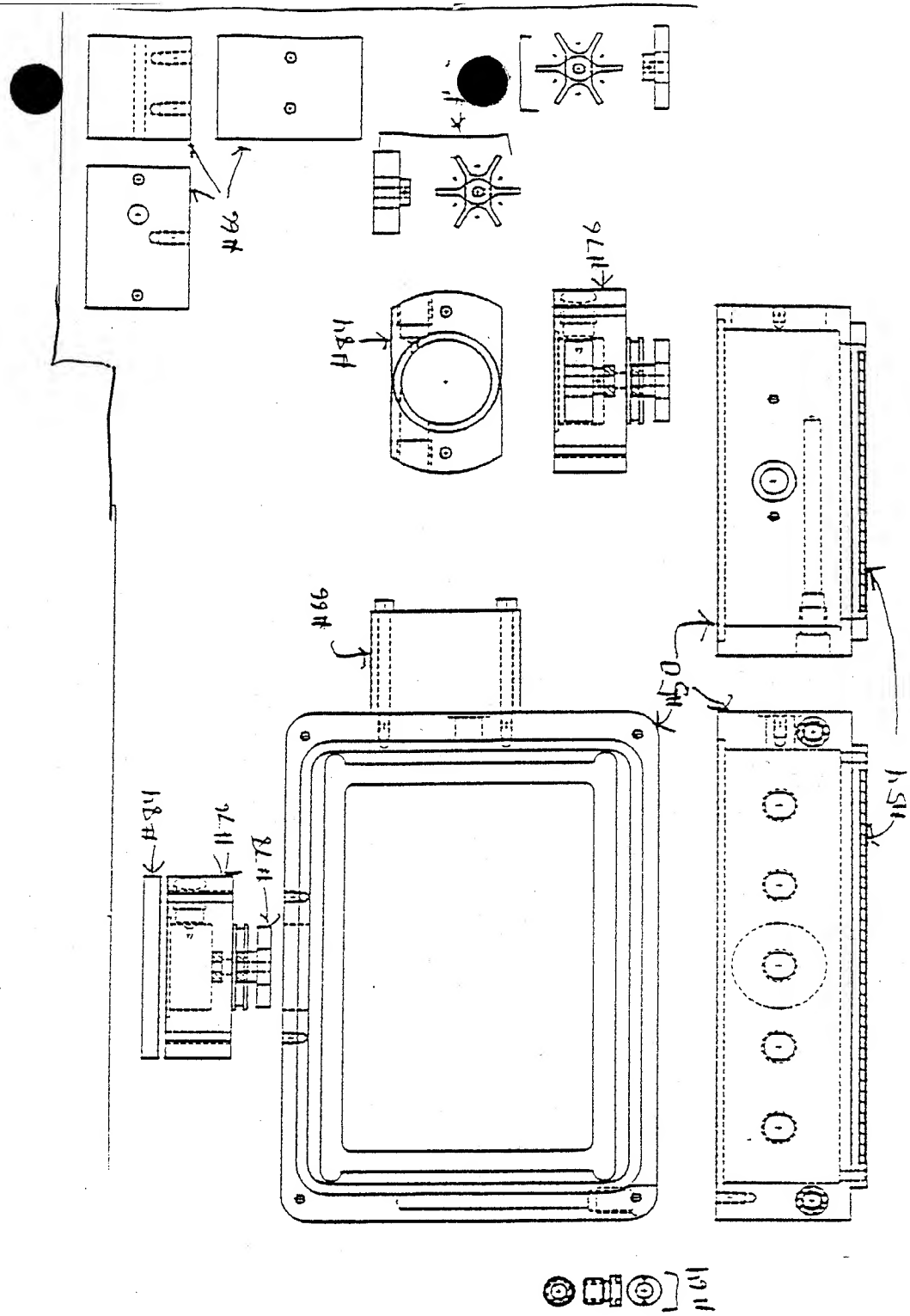
[illegible]

216 Figure 1a:

FIG 1b

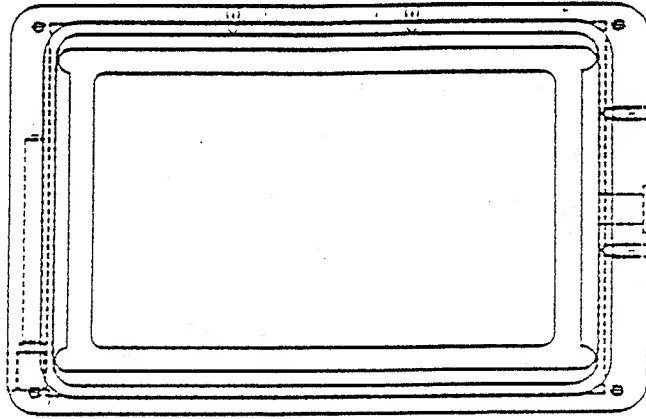
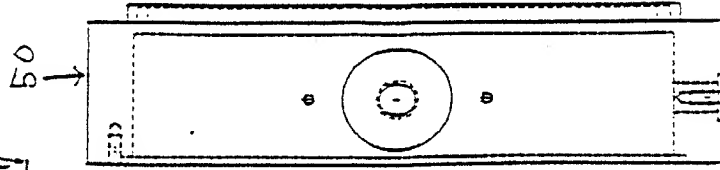


216

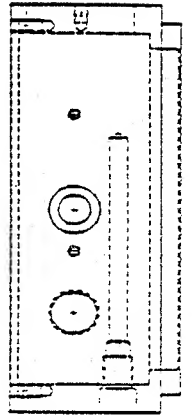
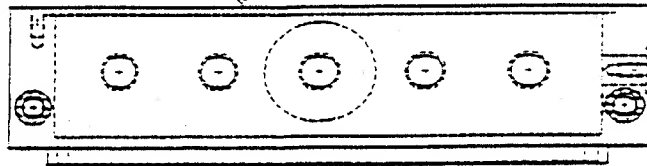


6440 302660

FIG 1d



150"



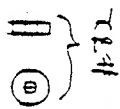
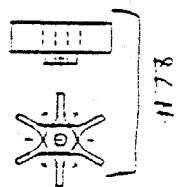
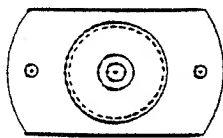
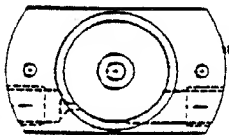
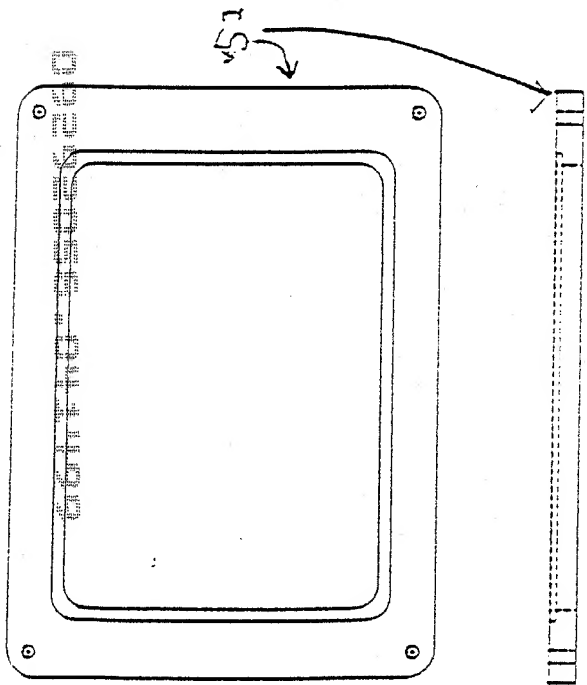
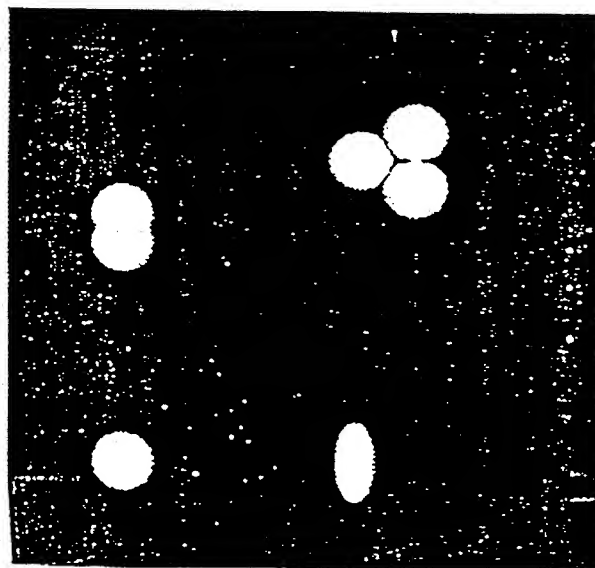


FIG 10

Fig 2



(A)

Total number of objects: 4

Object number 0
X Centroid 100.000
Y Centroid 100.000
Area in Pixels 20571
Perimeter 161.252
Perim/Area 1.043
Sphericity 0.970
Excentricity 1.004

Object number 1
X Centroid 312.500
Y Centroid 100.000
Area in Pixels 32841
Perimeter 213.180
Perim/Area 1.135
Sphericity 0.582
Excentricity 1.721

Object number 2
X Centroid 100.000
Y Centroid 300.000
Area in Pixels 17371
Perimeter 166.412
Perim/Area 1.328
Sphericity 0.428
Excentricity 3.357

Object number 3
X Centroid 375.000
Y Centroid 334.643
Area in Pixels 61881
Perimeter 361.060
Perim/Area 1.696
Sphericity 0.385
Excentricity 1.037

(B)

Figure 2. Demonstration of pattern recognition for model data. a. Image of "model" data representing 2 single cells, 1 dividing cell, and 3 cells in contact. b. Statistics determined based on image analysis. Objects 0 and 2 have a relatively small areas and are the single cells; object 1 has an intermediate area and is the dividing cell; object 4 has an area roughly three times as large as objects 0 and 2 and is the cluster.

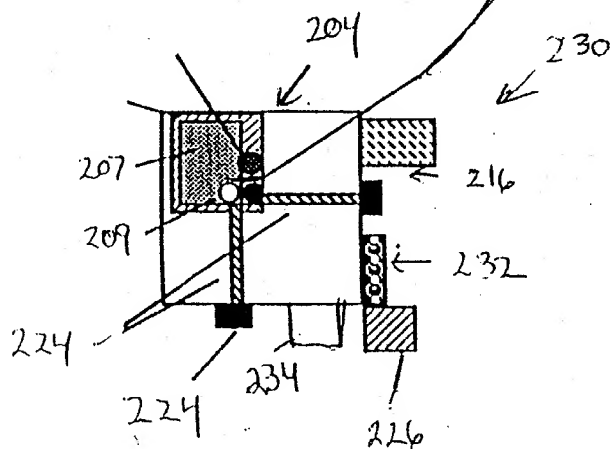
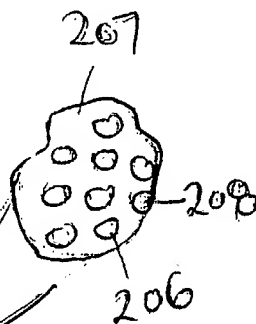
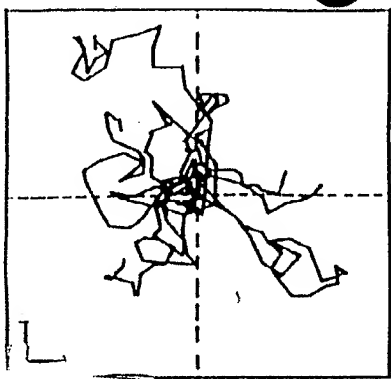


FIG 4b

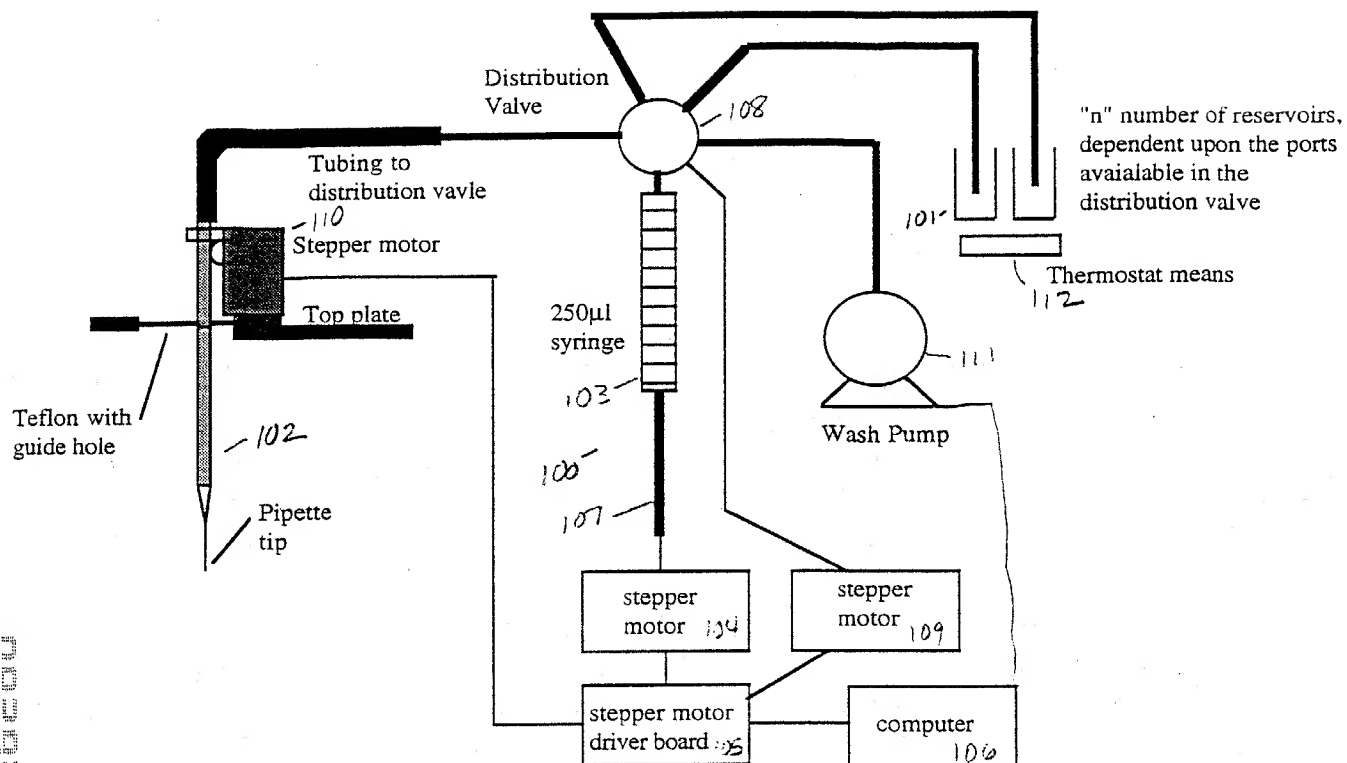
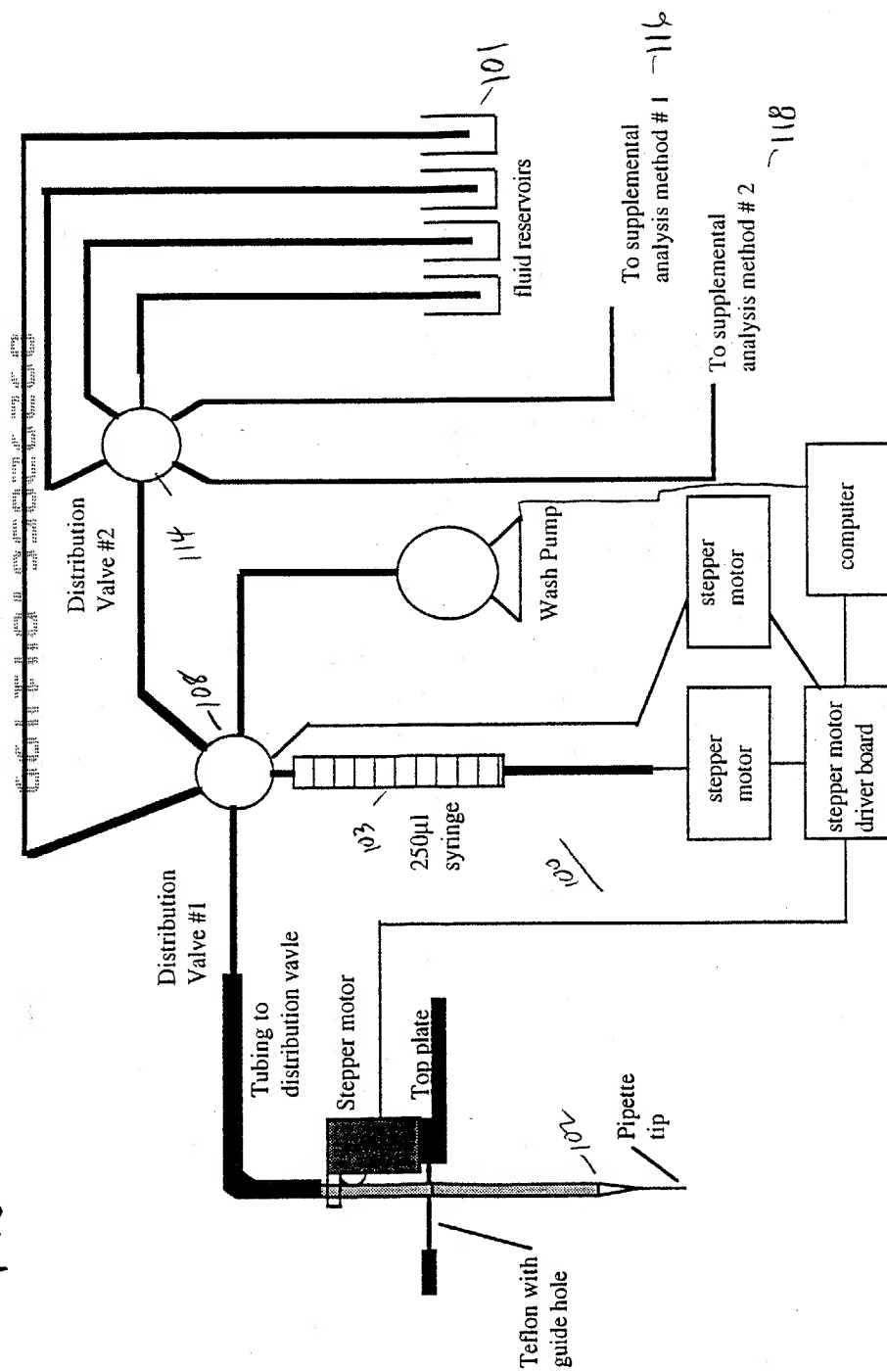


FIG 4C



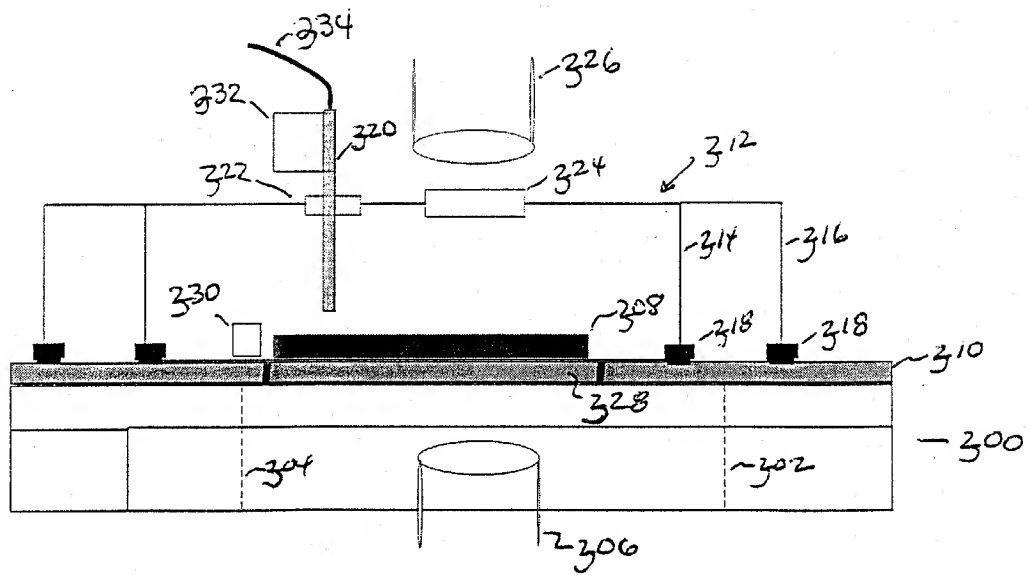
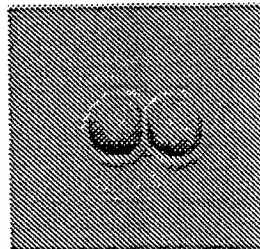
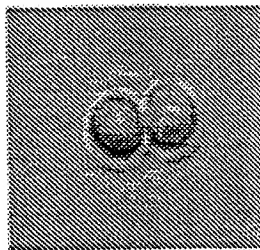
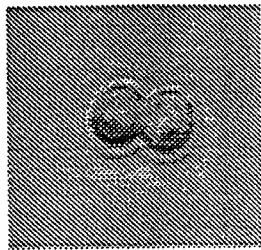
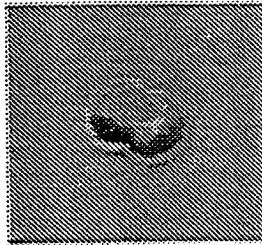


FIG 4d

FIG 5



661112 3306660

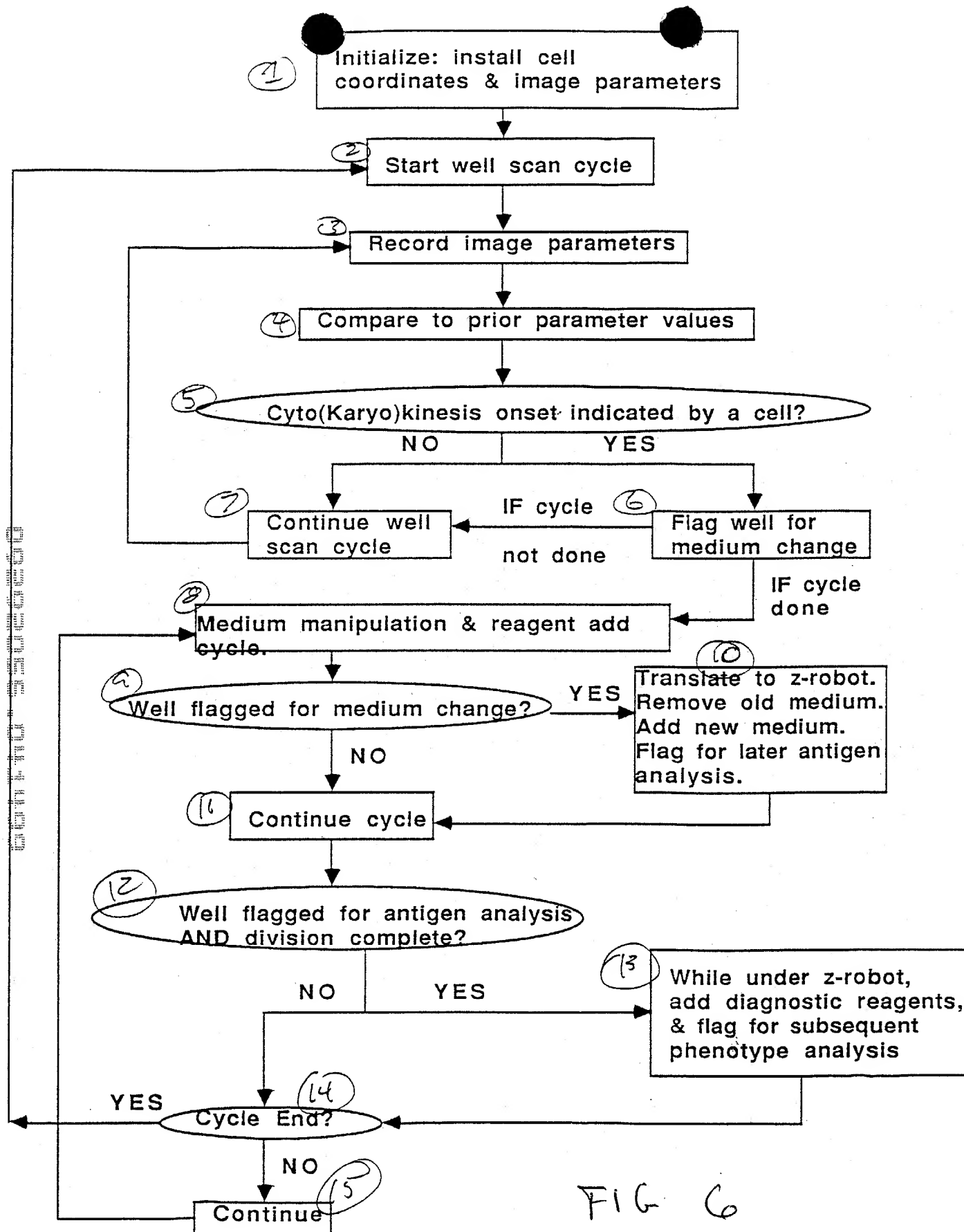


FIG 6

